

Listing of Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application (material to be inserted is in **bold and underline**, and material to be deleted is in ~~strikeout~~):

1-5. (Cancelled)

6 -20. (Withdrawn).

21-26. (Cancelled)

27. (Currently Amended) A kit for detecting and differentiating an enterovirus in a sample, comprising at least one pair of oligonucleotide primers for nucleic acid amplification, wherein a first primer of said pair consists of a sequence of any of:

SEQ ID NO: 1: TTGTRCGCCTGTTTTA,

SEQ ID NO: 2: CAAGCACTTCTGTHHCCCCGG,

SEQ ID NO: 3: TACTTCGAGAARCCYAGTA,

SEQ ID NO: 4: AAGAGYCTATTGAGCTA, or

SEQ ID NO: 5: GGITGGTRSTGGAARTTICC, or a degenerate sequence of SEQ ID No: 5; and

a second primer of said pair consists of a sequence of any of:

SEQ ID NO: 6: CACYGGATGGCCAATCCAA,

SEQ ID NO: 7: ATTGTCACCATAAGCAGCCA, or

SEQ ID NO: 8: ARRTTIATCCAYTGRTGIGG, or a degenerate sequence of SEQ ID No: 8,

provided that the second primer consists of the sequence of SEQ ID NO: 8 or a degenerate sequence thereof of SEQ ID NO: 8 when the first primer consists of the sequence of SEQ ID NO: 5 or a degenerate sequence of SEQ ID NO: 5; and

at least one synthetic nucleotide sequence fixed on a solid substrate for nucleic acid hybridization with nucleic acids obtained from the amplification, wherein the synthetic nucleotide comprises any sequence selected from the group consisting of:

SEQ ID NO: 9: TCCTCCGGCCCCTGAATGCGGCTAATC,

SEQ ID NO: 10: TGTCGTAACGSGCAASTCYGYRGCGGAACCGAC,

SEQ ID NO: 11: TACTTTGGGTGTCCGTGTTTCHTTTTAT,

SEQ ID NO: 12: CTTATAAGCAGACTCAACCCGGTGCTGATG,

SEQ ID NO: 13: TGGCATTCCAATATCACAATTAACAGTG,

SEQ ID NO: 14: CTCGGCACTATCGCAGGAGGGACCGGGAAT and or

SEQ ID NO: 15: CCTACGCCACTACACAGCCTGGTCAGGTTG, and or a degenerate sequence of any of SEQ ID Nos.: ~~12-15~~ 12-15.

28. (Currently amended) A kit for detecting and differentiating an enterovirus in a sample, comprising at least one synthetic nucleotide sequence fixed on a solid substrate for nucleic acid hybridization with nucleic acids in the sample, wherein the synthetic nucleotide sequences consists of any sequence selected from the group consisting of

SEQ ID NO: 9: TCCTCCGGCCCCCTGAATGCGGCTAATC,

SEQ ID NO: 10: TGTCGTAACGSGCAASTCYGYRGCGGAACCGAC,

SEQ ID NO: 11: TACTTTGGGTGTCCGTGTTTCHTTTTAT,

SEQ ID NO: 12: CTTATAAGCAGACTCAACCCGGTGCTGATG,

SEQ ID NO: 13: TGGCATTCCAATATCACAATTAACAGTG,

SEQ ID NO: 14: CTCGGCACTATCGCAGGAGGGACCGGGAAT and or

SEQ ID NO: 15: CCTACGCCACTACACAGCCTGGTCAGGTTG, and or a degenerate sequence of any of SEQ ID Nos.: 12 -15.

29. (New) A method for detecting and differentiating an enterovirus in a sample, comprising:

a) contacting nucleic acids in the sample with a pair of primers to form an amplification product, wherein a first primer of said pair consists of a sequence of any of SEQ ID NOs: 1-5 or a degenerate sequence of SEQ ID NO: 5, and a second primer of said pair consists of a sequence of any of SEQ ID NOs: 6-8 or a degenerate sequence of SEQ ID NO: 8, provided that the second primer consists of the sequence of SEQ ID No: 8 or a degenerate sequence of SEQ ID No: 8 when the first primer consists of the sequence of SEQ ID NO: 5 or a degenerate sequence of SEQ ID NO: 5; and

b) contacting the amplification product generated in step a) with at least one synthetic nucleotide sequence fixed on a solid substrate, wherein the synthetic nucleotide sequence comprises any sequence selected from the group consisting of SEQ ID NOs: 9-15 or a degenerate sequence of any of SEQ ID NOs: 12-15, and detecting hybridization, thereby

detecting and differentiating an enterovirus in the sample.

30. (New) A method for detecting and differentiating an enterovirus in a sample comprising contacting nucleic acids in a sample with at least one synthetic nucleotide sequence fixed on a solid substrate, wherein the synthetic nucleotide sequence comprises any sequence selected from the group consisting of SEQ ID NOs: 9-15, or a degenerate sequence of any of SEQ ID NOs: 12-15 and detecting hybridization, thereby detecting and differentiating an enterovirus in the sample.